

ABSTRACT OF THE DISCLOSURE

The purpose of the present invention is to realize a compact three-dimensional measurement device of high resolution. In the present invention, a pulse light is projected on an object, the light reflected from the object is received by a solid state area sensor having a plurality of photoelectric conversion elements, the area sensor is controlled with a timing synchronized with the projection of the pulse light, and the distance to each photoelectric conversion element is measured based on the output of the solid state area sensor.